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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/646,900

08/25/2003

Ram Gopal Lakshmi Narayanan

60282-00099

2444

32294

7590

04/30/2008

SQUIRE, SANDERS & DEMPSEY L.L.P.

8000 TOWERS CRESCENT DRIVE

14TH FLOOR

VIENNA, VA 22182-2700

EXAMINER

SALAD, ABDULLAHI ELM I

ART UNIT

PAPER NUMBER

2157

MAIL DATE

DELIVERY MODE

04/30/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/646,900	<b>Applicant(s)</b> NARAYANAN, RAM GOPAL LAKSHMI	
	<b>Examiner</b> Salad Abdullahi	<b>Art Unit</b> 2157	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 12 February 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 16 and 19 is/are allowed.
- 6) ☒ Claim(s) 1-3, 6-8, 12, 17, 18 and 20 is/are rejected.
- 7) ☒ Claim(s) 4,5,9-11 and 13-15 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

Applicant's submission filed on 2/12/2008 has been entered.

2. Applicant' argument with respect to claims 1-3, 6-8, 12, 17, 18 and 20 are moot in view of new grounds of rejection.

3. Claims 16 and 19 are allowed.

***Allowable Subject Matter***

4. Claims 4-5, 9-11, 13-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-3, 6-8, 12, 17, 18 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over anticipated by Moineau et al., U.S. Patent Application

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No. 2004/0215957[hereinafter Moineau in view Applicant Admitted Prior

Art[hereinafter AAPA]

As per claims 1, 8, 17, 18 and 20 Moineau discloses distributed routing device (26) comprising:

routing unit configured(router 12) to route subscriber traffic flow between at least two wireless access networks (WLANs 22 and 24) and an IP network (external network such internet) (see figs 1, 2 and paragraph 0033-0034); and generating unit (14) configured to generate at least one instance for executing a security function (i.e., VPN tunnel) on a subscriber traffic flow, so that physically one security instance for subscribers of at least two wireless access networks is present and logically at least one of the at least two wireless access networks has a respective security instance (see paragraph 0041 and 0049).

Moineau is silent regarding: wherein the at least two wireless access networks correspond to different customer networks

AAPA discloses a router device (AS-1) configured to route subscriber traffic flow between at least two wireless access networks (C-1 to C-2)) and an IP network (external network such internet). (see fig. 2 and paragraph 0019). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to utilize the access mechanism as taught by AAPA in order to facilitate centralized customer access network management to ensure secure easier information management and secure data transfer among the customer access networks and IP network.

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As per claims 2, Moineau discloses the distributed routing device according to claim 1, wherein at least one logical part of the security instance is associated with a context of a respective one of the wireless access networks and comprises an interface with the respective wireless access network(WLAN port 20) (see fig. 2 and paragraph 0051)

As per claim 3. Moineau discloses the distributed routing device according to claim 1, further comprising associating means for associating the subscribers with the at least two wireless access networks (WLAN 22 and 24).

As per claim 6, Moineau discloses the distributed routing device according to claim 1, wherein the security function comprises at least one of a Virtual Private Network, routing and firewall function (see paragraph0044).

As per claim 7, the distributed routing device according to claim 1, wherein the distributed routing device is located at a provider edge of the IP network (see fig. 1, element 26).

### **Conclusion**

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Salad E. Abdullahi whose telephone number is 571-272-4009. The examiner can normally be reached on 8:30 - 5:00.If attempts to reach the examiner by telephone are unsuccessful, the examiner's

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supervisor, Ario Etienne can be reached on 571-272-4001. The **fax phone number** for the organization where this application or proceeding is assigned is **571-273-8300**.

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Salad Abdullahi/  
Primary Examiner, Art Unit 2157